Dairy Forward Pricing Pilot Program

Information for the Period from September 2000 through June 2003

USDA Agricultural Marketing Service, Dairy Programs, submitted a report to the Senate Committee on Agriculture, Nutrition, and Forestry and the House Committee on Agriculture entitled *A Study of the Dairy Forward Pilot Program and Its Effect on Prices Paid Producers for Milk*, October 2002. The report covers the period from September 2000, the first fully operational month of the program, through March 2002. Dairy Programs has continued to collect data concerning the program since the study period. The tables and figures on the following pages present data covering the period from September 2000 through June 2003.

 $Table \ 1: \ Average \ Monthly \ Prices \ for \ Contracted \ Milk \ Volumes \ in \ Seven \ Orders^{1/}: \ With \ Contract, \ Without \ Contract, \ and \ at \ Federal \ Order \ Minimum \ Prices^{2/}$

	*** * 1 .							
	Weighted	d average pr	ices at test	Price dif	ferences			
		Non-			_			
		contract			Contract			
		price	Federal		minus			
		(had	order		Federal			
Year	~	there	minimum	Contract	order			
and	Contract	been no	blend	minus no	blend			
Month	price	contract)	price	contract	price			
		\$/cwt.		\$/c	wt.			
2000								
Sept.	14.029	13.088	11.821	0.941	2.208			
Oct.	14.273	13.127	11.416	1.146	2.857			
Nov.	14.786	12.039	10.829	2.747	3.957			
Dec.	14.671	12.725	11.502	1.946	3.169			
2001								
Jan.	14.009	12.860	11.656	1.149	2.353			
Feb.	13.821	13.052	11.729	0.769	2.092			
Mar.	13.858	14.154	12.754	-0.296	1.105			
Apr.	13.569	14.544	13.326	-0.975	0.242			
May	13.396	16.053	14.803	-2.657	-1.407			
Jun.	13.406	16.911	15.604	-3.506	-2.198			
Jul.	13.382	17.104	15.787	-3.722	-2.405			
Aug.	13.226	17.013	15.961	-3.786	-2.735			
Sept.	13.819	17.753	16.683	-3.934	-2.864			
Oct.	14.046	16.646	15.501	-2.600	-1.454			
Nov.	14.308	14.060	13.338	0.248	0.970			
Dec.	13.774	13.777	12.832	-0.003	0.943			
2002							Study Period	
Jan.	14.666	14.084	12.955	0.582	1.711	Sept. 2	000-Mar. 2002 Av	erages
Feb.	14.855	13.890	12.664	0.965	2.191	Contract	Non-contract	FMMO
Mar.	14.450	12.843	11.926	1.607	2.523	14.018	14.512	13.320

(Table 1 continued on following page.)

^{1/} Seven Orders refers to the seven Federal orders with participation in the Dairy Forward Pricing Program since it began--the Central, Mideast, Northeast, Pacific Northwest, Southeast, Upper Midwest, and Western orders.

^{2/} For a detailed description of how average prices are computed, see Appendix D of *A Study of the Dairy Forward Pricing Program and Its Effect on Prices paid Producers for Milk*, USDA-AMS Dairy Programs, October 2002.

Table 1 Continued: Average Monthly Prices for Contracted Milk Volumes in Seven Orders 1/2: With Contract, Without Contract, and at Federal Order Minimum Prices 2/

***************************************	1	d average pri		Price dif				
		Non-						
		contract			Contract			
		price	Federal		minus			
		(had	order		Federal			
		there	minimum	Contract	order			
Year and	Contract	been no	blend	minus no	blend			
Month	price	contract)	price	contract	price			
		\$/cwt.		\$/c	wt.			
A	14157	10 745	11 002	1 412	2 254			
Apr.	14.157	12.745	11.803	1.412	2.354 2.489			
May	14.076	12.479	11.587	1.596				
Jun.	13.948	11.768	10.966	2.180	2.982			
Jul.	13.872	11.068	10.278	2.804	3.594			
Aug.	14.053	11.240	10.462	2.813	3.591			
Sept.	14.095	11.548	10.774	2.547	3.321			
Oct.	14.548	12.679	11.656	1.869	2.892			
Nov.	14.382	11.916	11.125	2.466	3.257			
Dec.	14.286	11.908	10.995	2.377	3.291			
2003								
Jan.	14.257	12.074	10.989	2.183	3.267			
Feb.	13.916	11.576	10.622	2.340	3.294			
Mar.	13.711	11.059	10.152	2.651	3.559			
Apr.	13.613	11.174	10.216	2.439	3.397	Apr. 20	002-June 2003 Av	erages
May	13.438	11.352	10.367	2.085	3.071	Contract	Non-contract	FMMO
Jun.	13.417	11.316	10.289	2.101	3.129	13.985	11.727	10.819
Average	14.003	13.283	12.217	0.720	1.787			
St. Dev.	0.433	1.970	1.882	-1.536	-1.449			
Minimum	13.226	11.059	10.152	2.167	3.075			
Maximum	14.855	17.753	16.683	-2.898	-1.827			
Range	1.629	6.694	6.531	-5.065	-4.902			

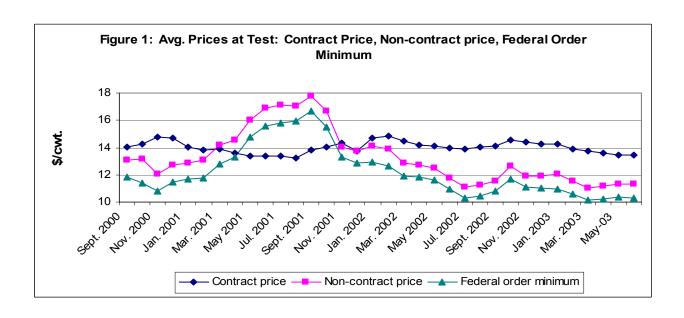
^{1/} Seven Orders refers to the seven Federal orders with participation in the Dairy Forward Pricing Program since it began-the Central, Mideast, Northeast, Pacific Northwest, Southeast, Upper Midwest, and Western orders.

^{2/} For a detailed description of how average prices are computed, see Appendix D of *A Study of the Dairy Forward Pricing Program and Its Effect on Prices paid Producers for Milk*, USDA-AMS Dairy Programs, October 2002.

Table 2: Program^{1/} Contracting Producers Categorized by Total Pounds Delivered Per Month

Table 2:	Program" C	Program ¹⁷ Contracting Producers Categorized by Total Pounds Delivered Per Mont								
			Del	livery pour	nds per mont	h				
	100,000	or less	100,000 to	400,000	400,000 to	1 million	1 million	or more	Total	
Year									number of	
and	# of		# of		# of		# of		producers	
month	producers	Percent	producers	Percent	producers	Percent	producers	Percent	per month	
2000							•			
Sept.	171	56.3	109	35.9	15	4.9	9	3.0	304	
Oct.	170	53.6	116	36.6	22	6.9	9	2.8	317	
Nov.	183	56.5	111	34.3	18	5.6	12	3.7	324	
Dec.	171	53.6	118	37.0	18	5.6	12	3.8	319	
2001										
Jan.	505	50.8	413	41.5	51	5.1	25	2.5	994	
Feb.	554	55.1	372	37.0	52	5.2	27	2.7	1005	
Mar.	498	48.3	438	42.4	66	6.4	30	2.9	1032	
Apr.	558	48.9	470	41.2	75	6.6	38	3.3	1141	
May	318	40.8	348	44.6	72	9.2	42	5.4	780	
Jun.	356	43.5	340	41.5	80	9.8	43	5.3	819	
Jul.	359	41.5	373	43.1	84	9.7	49	5.7	865	
Aug.	361	41.4	359	41.1	89	10.2	64	7.3	873	
Sept.	379	43.4	347	39.7	85	9.7	62	7.1	873	
Oct.	351	42.7	347	42.2	85	10.3	39	4.7	822	
Nov.	306	41.2	295	39.7	82	11.0	60	8.1	743	
Dec.	279	38.7	294	40.8	82	11.4	66	9.2	721	
2002										
Jan.	33	19.5	59	34.9	37	21.9	40	23.7	169	
Feb.	34	24.8	54	39.4	23	16.8	26	19.0	137	
Mar.	27	15.8	69	40.4	35	20.5	40	23.4	171	
Apr.	37	19.9	76	40.9	32	17.2	41	22.0	186	
May	40	21.9	70	38.3	33	18.0	40	21.9	183	
Jun.	44	23.4	72	38.3	32	17.0	40	21.3	188	
Jul.	48	23.9	80	39.8	33	16.4	40	19.9	201	
Aug.	41	20.6	79	39.7	35	17.6	44	22.1	199	
Sept.	50	24.5	76	37.3	35	17.2	43	21.1	204	
Oct.	47	27.3	71	41.3	25	14.5	29	16.9	172	
Nov.	45	23.4	74	38.5	30	15.6	43	22.4	192	
Dec.	43	22.8	70	37.0	32	16.9	44	23.3	189	
2003										
Jan.	50	27.8	51	28.3	30	16.7	49	27.2	180	
Feb.	56	28.0	59	29.5	36	18.0	49	24.5	200	
Mar.	52	25.1	62	30.0	37	17.9	56	27.1	207	
Apr.	54	25.2	61	28.5	45	21.0	54	25.2	214	
May	43	18.9	78	34.2	44	19.3	63	27.6	228	
Jun.	53	21.6	82	33.5	50	20.4	60	24.5	245	
Average	186	34.4	179	37.9	47	13.3	41	14.4	453	

^{1/} Program refers to Dairy Forward Pricing Program.



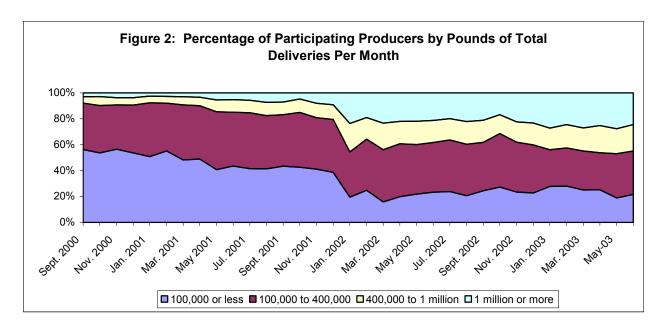


Table 3: Contract Milk Price Comparisons¹¹, Seven Orders²¹ by Signing and Delivery Quarter Combination

Table 3a: Prices received for contract milk (\$/cwt, at test)

		Delivery quarter										
Signing	2000	2000	2001	2001	2001	2001	2002	2002	2002	2002	2003	2003
Quarter	$3^{\rm rd}$	4^{th}	1 st	2^{nd}	$3^{\rm rd}$	4^{th}	1 st	2^{nd}	$3^{\rm rd}$	4^{th}	1 st	2^{nd}
2000												
$3^{\rm rd}$	13.911	14.599	14.115	13.788	13.579	14.087	R					
4^{th}		R	13.791	13.580	13.368	13.950	R					
2001												
1 st			14.146	12.780	12.710	12.968	14.025	R				
2^{nd}				14.963	14.753	14.762	14.151	14.329	R	R	R	R
$3^{\rm rd}$					15.648	16.008	15.852	15.576	15.318	15.581	R	R
4^{th}						15.377	14.008	13.578	13.602	13.942	R	R
2002												
1 st							13.657	13.102	13.527	14.011	13.805	13.540
2^{nd}								13.497	13.675	13.795	13.211	12.891
3^{rd}									13.978	14.235	13.556	13.320
4^{th}										14.575	13.757	13.285
2003												
1 st											12.983	13.319
2 nd												12.630

Table 3b: Prices had there been no forward contracts (\$/cwt, at test)

		Delivery quarter										
Signing	2000	2000	2001	2001	2001	2001	2002	2002	2002	2002	2003	2003
Quarter	$3^{\rm rd}$	4^{th}	1 st	2^{nd}	$3^{\rm rd}$	4^{th}	1 st	2^{nd}	$3^{\rm rd}$	4^{th}	1 st	2 nd
2000												
$3^{\rm rd}$	12.992	12.628	13.470	15.852	17.335	15.189	R					
4^{th}		R	13.304	16.001	17.694	15.109	R					
2001												
1 st			14.411	15.154	16.700	13.950	13.658	R				
2^{nd}				16.931	17.644	14.959	13.484	12.876	R	R	R	R
$3^{\rm rd}$					17.839	15.554	14.277	13.022	11.813	12.510	R	R
4^{th}						14.019	12.978	11.976	11.062	11.855	R	R
2002												
1 st							11.926	11.626	10.634	11.655	10.937	11.048
2^{nd}								11.737	10.968	11.722	11.040	10.812
$3^{\rm rd}$									12.160	12.504	11.409	11.196
4^{th}										12.472	11.394	11.097
2003												
1 st											11.033	11.349
2 nd												11.669

R=Restricted data. Data provided by fewer than three parties is considered restricted because aggregation of such information may not prevent individual disclosure.

^{1/} For a detailed description of how average prices are computed, see Appendix D of *A Study of the Dairy Forward Pricing Pilot Program and Its Effect on Prices Paid Producers for Milk*, USDA-AMS Dairy Programs, October 2002.

^{2/} Seven Orders refers to the seven Federal orders with participation in the Program since it began

[—]the Central, Mideast, Northeast, Pacific Northwest, Southeast, Upper Midwest, and Western orders.

Table 3 Continued: Contract Milk Price Comparisons 1/, Seven Orders 2/ by Signing and Delivery Quarter Combination

Table 3c: Contract price minus non-contract price (\$/cwt)

1 abic 5c	· contr	tet price	minus no	on contro	ict price							
						Delivery	quarter quarter					
Signing	2000	2000	2001	2001	2001	2001	2002	2002	2002	2002	2003	2003
Quarter	$3^{\rm rd}$	4^{th}	1 st	2^{nd}	$3^{\rm rd}$	4^{th}	1^{st}	2^{nd}	$3^{\rm rd}$	4^{th}	1 st	2 nd
2000												
3^{rd}	0.919	1.971	0.645	-2.064	-3.756	-1.102	R					
4^{th}		R	0.487	-2.421	-4.326	-1.159	R					
2001												
1 st			-0.265	-2.374	-3.990	-0.982	0.367	R				
2^{nd}				-1.968	-2.891	-0.197	0.667	1.453	R	R	R	R
$3^{\rm rd}$					-2.191	0.454	1.575	2.554	3.505	3.071	R	R
4^{th}						1.357	1.030	1.603	2.540	2.087	R	R
2002												
1 st							1.731	1.476	2.893	2.357	2.869	2.492
2^{nd}								1.760	2.707	2.072	2.171	2.079
$3^{\rm rd}$									1.818	1.731	2.148	2.123
4^{th}										2.102	2.363	2.188
2003												
1 st											1.949	1.969
2^{nd}												0.961

R=Restricted data. Data provided by fewer than three parties is considered restricted because aggregation of such information may not prevent individual disclosure.

^{1/} For a detailed description of how average prices are computed, see Appendix D of A Study of the Dairy Forward Pricing Pilot Program and Its Effect on Prices Paid Producers for Milk, USDA-AMS Dairy Programs, October 2002.

^{2/} Seven Orders refers to the seven Federal orders with participation in the Program since it began

[—]the Central, Mideast, Northeast, Pacific Northwest, Southeast, Upper Midwest, and Western orders.

Table 4: Number of Handlers Receiving Forward Contract Milk Under the Program^{1/} by Federal

Milk Marketing Order

WIIIK IV	marketing C	ruer							
	NI anth a act	Carethaaat	Control	Midaast	Pacific	Wastawa	Upper	Six	Seven
	Northeast	Southeast	Central	Mideast	Northwest	Western	Midwest	Orders ^{2/}	Orders ^{2/}
2000									
Sept.		1	3	1		1	2	6	6
Oct.		1	3	1		1	2	5	6
Nov.		1	3	1		1	3	5	6
Dec.		1	3	1		1	3	5	6
2001									
Jan.		1	3	1			8	4	10
Feb.		1	3	1			10	4	12
Mar.		1	3	1			10	4	12
Apr.	1	1	3	2			11	6	14
May	2	1	4	2			12	7	16
June	2	1	4	3		2	11	10	19
July	2	1	4	3		1	12	9	19
Aug.	2	1	4	3		2	14	10	20
Sept.	2	1	4	2	1	2	14	10	21
Oct.	2	1	4	2	1	1	14	9	21
Nov.	2	1	4	2	1	2	13	10	20
Dec.	2	1	4	2	1	2	12	10	19

(Table 4 continued on next page.)

^{1/} Program refers to the Dairy Forward Pricing Program.

^{2/} The Upper Midwest Milk Marketing Order has had by far the most Program activity. Data is presented to allow comparisons of numbers of participating handlers receiving contract milk in the Upper Midwest to the other orders with participation. Seven Orders refers to the Federal milk marketing orders with participation in the program. These include the Central, Mideast, Northeast, Pacific Northwest, Southeast, Upper Midwest, and Western orders. Six Orders refers to all of these orders except for the Upper Midwest. The number of handlers for the Six Orders and Seven Orders is not simply the sum of the handlers for the individual orders because some Program participating handlers had pooled milk in more than one order. For most information in the study, insufficient data was available to be presented in disaggregation beyond the Six Orders. Thus, to maintain comparability, the Six orders category is included in the study's handler tables. This updated table maintains the categories.

Table 4 Continued: Number of Handlers Receiving Forward Contract Milk Under the Program^{1/} by

Federal Milk Marketing Order

Federa	<u>al Milk Mar</u>	keting Orde	er						
					Pacific		Upper	Six	Seven
-	Northeast	Southeast	Central	Mideast	Northwest	Western	Midwest	Orders ^{2/}	Orders ^{2/}
	i							Ī	•
2002									
Jan.	2		4	2	1	1	11	9	17
Feb.	2		4	2	1	1	10	9	17
Mar.	2		4	2	1	1	10	9	16
Apr.	1		3	3	1		9	7	13
May	1		4	3	1		9	8	14
Jun.	1		4	3	1		8	8	13
Jul.	1		4	3	1	1	9	9	14
Aug.	1		4	1	1	1	9	7	13
Sept.	1		4	1	1	1	7	7	12
Oct.	1		3	1	1	1	8	6	13
Nov.	1		3	1	1	1	9	6	13
Dec.	1		3	1	1	1	10	6	13
2003									
Jan.	1		3	1	1	1	10	6	14
Feb.	1		3	1	1	1	11	6	15
Mar.	1		3	1	1	1	12	6	16
Apr.	1		4	1	1	1	12	7	17
-									
May	1		4	1	1	1	13	7	18
Jun.	1		4	1	1	1	14	7	19

^{1/} Program refers to the Dairy Forward Pricing Program.

^{2/} The Upper Midwest Milk Marketing Order has had by far the most Program activity. Data is presented to allow comparisons of numbers of participating handlers receiving contract milk in the Upper Midwest to the other orders with participation. Seven Orders refers to the Federal milk marketing orders with participation in the program. These include the Central, Mideast, Northeast, Pacific Northwest, Southeast, Upper Midwest, and Western orders. Six Orders refers to all of these orders except for the Upper Midwest. The number of handlers for the Six Orders and Seven Orders is not simply the sum of the handlers for the individual orders because some Program participating handlers had pooled milk in more than one order. For most information in the study, insufficient data was available to be presented in disaggregation beyond the Six Orders. Thus, to maintain comparability, the Six orders category is included in the study's handler tables. This updated table maintains the categories.

Table 5: Milk Volumes and Gross Cash Receipts for Contract Milk in Seven Orders^{1/} With Comparisons

Table 5:	Wilk Volumes	s and Gross Ca	ish Receipts	for Contract	Milk in Sev	en Orders" Wit	n Comparis	sons
	Milk V	olumes			ore deduction marketing ch	ns for hauling, narges		es in gross eceipts
•	Total pooled milk of	Contract	Total pooled milk of	Contract	Contract milk had there been	Contract milk at Federal order	Contract	Contract minus Federal
Year	Program ^{2/} producers	Contract milk	Program producers	Contract milk	no contract	minimum prices	minus no contract	order minimum
and Month	10003		producers	IIIIK		,000	Contract	IIIIIIIIIIIIIIIII
2000	1000.	<i>io</i> s.			φ1	,000		
Sept.	58,764.7	46,592.3	8,112.1	6,536.3	6,097.8	5,507.7	438.5	1,028.6
Oct.	65,796.1	51,287.6	9,179.0	7,320.5	6,732.5	5,855.0	588.0	1,465.4
Nov.	67,250.8	53,143.8	9,547.5	7,857.7	6,398.1	5,755.0	1,459.6	2,102.7
Dec.	71,402.2	54,456.4	10,169.0	7,989.4	6,929.5	6,263.7	1,059.9	1,725.7
2001	71,102.2	21,100.1	10,107.0	7,505.1	0,525.8	0,203.7	1,000.0	1,720.7
Jan.	181,713.3	127,384.0	24,785.0	17,845.2	16,381.3	14,847.9	1,463.9	2,997.3
Feb.	180,275.9	126,135.4	24,581.6	17,433.1	16,463.4	14,793.9	969.7	2,639.2
Mar.	212,767.2	144,748.2	29,760.8	20,059.6	20,488.0	18,460.6	-428.4	1,599.0
Apr.	251,424.6	176,840.5	35,149.2	23,994.7	25,719.6	23,566.4	-1,724.8	428.4
May	221,123.1	142,175.4	32,061.8	19,046.5	22,823.6	21,046.5	-3,777.1	-2,000.1
Jun.	230,861.1	151,544.5	34,014.6	20,315.8	25,628.2	23,646.9	-5,312.5	-3,331.1
Jul.	243,640.2	169,016.0	35,434.1	22,617.7	28,909.2	26,681.8	-6,291.5	-4,064.2
Aug.	291,887.9	195,752.7	42,283.0	25,890.8	33,303.0	31,244.5	-7,412.2	-5,353.7
Sept.	290,659.5	205,016.2	43,505.3	28,331.7	36,397.2	34,202.8	-8,065.5	-5,871.1
Oct.	236,533.4	170,891.6	34,946.1	24,004.0	28,447.3	26,489.4	-4,443.3	-2,485.4
Nov.	282,415.6	195,199.0	40,053.1	27,929.3	27,445.3	26,036.3	483.9	1,892.9
Dec.	298,089.6	199,839.9	41,103.3	27,526.7	27,532.3	25,643.0	-5.6	1,883.8
2002	,	,		,	,	,		,
Jan.	150,619.4	86,514.1	21,565.8	12,688.1	12,184.3	11,207.6	503.8	1,480.5
Feb.	103,385.6	74,383.1	15,071.7	11,050.0	10,331.9	9,420.0	718.1	1,630.0
Mar.	161,509.9	100,636.4	22,264.2	14,541.7	12,925.0	12,002.3	1,616.7	2,539.4
Apr.	169,616.8	111,936.9	23,197.4	15,847.4	14,266.4	13,212.1	1,581.0	2,635.3
May	171,402.9	114,675.4	23,243.9	16,141.2	14,310.5	13,287.5	1,830.7	2,853.7
Jun.	174,693.2	120,869.2	23,176.8	16,859.4	14,224.1	13,254.7	2,635.3	3,604.7
Jul.	181,001.6	122,411.0	23,374.0	16,981.2	13,548.5	12,581.3	3,432.7	4,399.8
Aug.	194,021.3	127,905.1	25,303.9	17,974.5	14,376.7	13,382.1	3,597.9	4,592.4
Sept.	193,506.4	132,480.0	25,729.4	18,673.3	15,298.6	14,273.5	3,374.6	4,399.8
Oct.	130,760.1	97,795.8	18,470.0	14,227.0	12,399.4	11,399.2	1,827.6	2,827.8
Nov.	177,801.2	121,884.1	24,128.5	17,529.4	14,523.7	13,559.1	3,005.7	3,970.3
Dec.	183,137.9	120,491.9	24,603.6	17,213.4	14,348.8	13,248.0	2,864.7	3,965.5
2003								
Jan.	170,436.8	101,713.6	22,418.2	14,501.1	12,280.4	11,177.7	2,220.7	3,323.4
Feb.	173,731.2	110,138.9	22,412.6	15,326.7	12,750.0	11,699.1	2,576.7	3,627.6
Mar.	206,747.6	128,883.4	25,935.6	17,671.1	14,253.8	13,083.7	3,417.3	4,587.5
Apr.	209,944.4	129,994.4	26,300.5	17,696.6	14,525.5	13,280.6	3,171.1	4,416.0
May	228,531.2	137,028.5	28,484.6	18,413.3	15,555.8	14,205.7	2,857.5	4,207.6
Jun.	205,724.7	127,456.4	25,685.1	17,101.0	14,423.5	13,113.4	2,677.5	3,987.6
Totals	6,371,177.4	4,277,221.9	876,051.3	595,135.4	582,223.1	537,429.0	12,912.3	57,706.5
1 / 0	Orders refers t	. 4	11	:41 4: . : 4:	! 41 D		41 C	41

^{1/} Seven Orders refers to the seven Federal orders with participation in the Program since it began--the Central, Mideast, Northeast, Pacific Northwest, Southeast, Upper Midwest, and Western orders.

^{2/} Program refers to the Dairy Forward Pricing Pilot Program.

Table 6	6. Program Participating Produ	cers 1 by State
State	Number of Producers	Percent
WI	725	46.6
MN	475	30.5
ID	120	7.7
SD	64	4.1
IL	50	3.2
IA	35	2.3
NY ²	32	2.1
ОН	22	1.4
MO	11	0.7
AR	6	0.4
NE	4	0.3
OK	3	0.2
OR	3	0.2
PA	3	0.2
MI	1	0.1
UT	1	0.1
Total	1,555	100.0

¹ Program Participating Producers refers to the total number of producers who delivered contract milk as part of the Dairy Forward Pricing Pilot Program.

² The number of producers for New York has been revised from 37 to 32 for the study period of September 2000 through March 2002. The count for the total number of producers for the Program during the study period has been revised from 1452 to 1447.